

VORONTSOV, D.S.

Effect of strychnine, gamma-aminobutyric acid, acetylcholine and quinine on the development of physical electrotonus in nerves. Fiziol.zh. SSSR Sechenov 49 no.6:677-684 '63  
(MIRA 17:1)

1. From the A.A.Bogomolets Physiological Institute, Kiyev.

L 34237-66 ENT(m)/EWP(t)/ETI TIP(c) JD/m SOURCE CODE: UR/0239/66/052/001/0022/0028  
ACC NR: AP0025123

AUTHOR: Yarontsov, D. S.

ORG: Institute of Physiology, AN UkrSSR, Kiev (Institut fiziologii AN UkrSSR)

TITLE: Effect of cations of alkaline and alkaline-earth metals on the physical  
electrotonus of the denuded nerve of a frog 12

SOURCE: Fiziologicheskiy zhurnal SSSR, v. 52, no. 1, 1966, 22-28

TOPIC TAGS: alkali metal, <sup>1</sup>rare earth, ion concentration, biochemistry, animal  
physiology, neurology, neuron

ABSTRACT: The effect of alkaline and alkaline-earth metals and their salts  
on the permeability of a denuded nerve of a frog was studied. The denuded  
nerve in most of the experiments was placed into a plexiglass five mm wide,  
and two cm long. Two electrodes (silver chloride spirals) covered with a  
layer of agar dissolved in hot Ringer's solution were also placed into the  
vessel. One of the electrodes was used for the electric polarization of the  
nerve; the other for the derivation of potentials from the nerve in the vessel.  
The experiments began with the recording of the physical electrotonus induced  
by various intensities of the polarizing current in the nerve saturated with  
Ringer's solution or a physiological solution of NaCl. No difference in the  
physical electrotonus values could be found when either of the solutions

UDC: 612.819

Card 1/2

L 34737-66

ACC NR: AP6025123

was used, and therefore the ions Na and Cl in concentrations of 0.1 M were accepted as those which indicate the normal permeability of the nerve fibers. The solutions were then replaced by solutions of alkaline elements. It was found that the ion K increases the permeability of the nerve fiber membrane; it also tends to increase permeability for the Na ion; ions Rb and Cs like that of K also increase the permeability of the nerve fiber's membrane. It was also established that in hydrated state rubidium depresses anelectrotonus, and Cs intensifies both - the an- and catelectrotonus; the cations of the alkaline-earth metals all intensify the catelectrotonus, with barium having the strongest effect and magnesium the weakest. All of the cations of the alkaline-earth metals with exception of Mg increase anelectrotonus.

Orig. art. has: 5 figures. [JPRS]

SUB CODE: 06 / SUBM DATE: 28Nov64

LS

Card 2/2

VORONTSOV, D.S.

Photoplastic membrane of muscle fibers as an active apparatus  
of the cell. Fiziol. zhur. [Ukr.] 10 no. 4:439-447 Jl-Ag '64.  
(MIRA 18:11)

1. Laboratoriya elektrofiziologii Instituta fiziologii im. A.A.  
Bogomol'tsa AN UkrSSR, Kiyev.

VORONTSOV, D.S.

N.E.Vvedenskii's role in the development of scientific physiology; on the  
110th anniversary of his birth. Fiziol. zhur [Ukr.] 8 no.4:423-432 Jl-  
Ag. '62. (MIRA 18:4)

1. Institut fiziologii im. Bogomol'tsa AN UkrSSR, Kiyev.

VORONTOV, D.S.

Physical electrotonus of the nerve of Anodonta. Fiziol. zhur.  
50 no.5:521-530 My '64. (MIRA 18:2)

1. Institut fiziologii AN UkrSSR, Kiyev.

LEONT'YEVA, A.A., kand.med.nauk; VORONTSOV, D.V., nauchnyy sotrudnik

Treatment of hemangiomas of the skin with radioactive phosphorus.  
Vest.rent.1 rad. 34 no.5:83-86 S-0 '59. (MIRA 13:3)

1. Iz Gor'kovskogo nauchno-issledovatel'skogo instituta t'zematologii  
i ortopedii (dir. - dots. M.G. Grigor'yev).  
(SKIN neoplasms)  
(HEMANGIOMA radiotherapy)  
(PHOSPHORUS radioactive)

ALEKSEYEV, A.Ye.; VORONTSOV, D.V.; LEONT'YEVA, A.A.; TELESHEVA, N.I.;  
SHATUNOVSKAYA, Ye.G.

Problem of the permeability (resorption) of the capillaries in  
transplanted skin under experimental and clinical conditions.  
Ortop., travm.i protez. 20 no.11:36-42 N '59. (MIRA 13:4)

1. Iz Gor'kovskogo nauchno-issledovatel'skogo instituta travmatologii  
i ortopedii (direktor - dotsent M.G. Grigor'yev).  
(SKIN TRANSPLANTATION exper.)  
(CAPILLARY PERMEABILITY)

VORONTSOV, D. V. Cand Med Sci -- (diss) "Free transplantation of skin in  
cases of large vascular and pigmentary facial spots." Gor'kiy, 1958. 13 pp  
(Gor'kiy State Med Inst im S. M. Kirov), 200 copies (KL, 52-58, 106)

-182-

VORONTSOV, E.E.

✓ Connection between the optimum time of applying pressure to cement mixes and their setting time. A. G. Bunkov, R. B. Vorontsov, and O. P. Melikidze-Petrosyan. *Stroitel. Prom.* 31, No. 2, 43 (1956). - For 1:2 to 1:6 mixes under pressures of 2 to 60 kg./sq. cm., a max. increase in the cement strength is produced when the pressure is applied at a time approx. half way between the beginning and the end of setting.

L. D. Galt

(3)

VORONTSOV, E.G., YESIN, OA.,

"Diffusion of Elements in Molten Slags,"  
lecture given at the Fourth Conference on Steelmaking, AA. Baikov Institute of  
Metallurgy, Moscow, July 1 - 6, 1957

Vorontsov, E. I.

USSR/Physica - Spectral analysis

Card 1/1/ Pub. 43 - 28/97

Authors : Vorontsov, E. I.

Title : Quantitative spectral analysis during the excitation of a spectrum with a strong impulse discharge

Periodical : Izv. AN SSSR, Ser. fiz. 18/2, page 262, Mar-Apr 1954

Abstract : Three systems for the generation of strong impulses, necessary for the excitation of a spectrum, are briefly outlined. A study of the excitation sources showed that the phenomenon of spontaneous discharge displacement (wandering) affects the intensity of the spectrum and its reproducibility. The nature of the discharge wandering depends upon the treatment of surfaces of the sample and upon the presence of third components. In order to eliminate this phenomenon it is suggested to glue an insulation disc to the surface of the sample. The disc must be provided with a special aperture for the focusing of the discharge. It was established that impulse localized discharges stabilize the absolute and relative spectral line intensities and also eliminates the effect of third components.

Institution : .....

Submitted : .....

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1. VORONTSOV, F.F.
2. USSR (600)
4. Technology
7. Electricity in present-day technology Moskva, Gosenergoizdat, 1952
  
9. Monthly List of Russian Accessions, Library of Congress, February, 1953. Unclassified.

F. F. VORONTSCV

USSR/Electricity - Distributions Systems

Dec 52

"Basic Elements in the Construction of Circuits for City Electric Power Networks," Dr. Tech Sci, A. A. Glazunov, Cand Tech Sci, I. S. Bezzmernyy, and Engr F. F. Vorontsov, Moscow

"Elektrичество" No 12, pp 3-8

Examines modern circuits for low-voltage city power networks, giving eng characteristics and proposing classification and designations. Shows that automatized, duplicate-service, high-voltage network with open-circuit low-voltage network costs 20-25% more in capital and operating expenditures than closed networks. Article is intended to stimulate discussion in connection with revision of "Instructions on Planning City Electric Power Networks". Submitted 19 Jun 52.

PA 242T21

VORONTSOV, F. F., (Engr)

Dissertation: "Method of Investigation and Selection of Circuits of City Electric Networks for Newly Constructed Areas." Cand Tech Sci, Moscow Order of Lenin Power Engineering Inst imeni V. M. Molotov, 4 Jun 54. Vechernyaya Moskva, Moscow, 26 May 54.

SO: SUM 284, 26 Nov 1954

ZHUKOV, Aleksandr Konstantinovich; VORONTSOV, P.F., redaktor; LARIONOV, G.Ye., tekhnicheskij redaktor.

[Installation of secondary commutation] Montazh vtorichnoi komutatsii. Moskva, Gos. energ. izd-vo, 1954. 183 p. (MLEA 7:12)  
Commutation (Electricity)

KONDAKHCHAN, Vag Saakovich; VORONTOV, F.F., redaktor; FRIDKIN, A.M.,  
tekhnicheskiy redaktor

[Manual for the electrician on duty assigned to servicing the  
electric power station] Rukovodstvo dlja dezhurnogo elektromontera  
sobstvennykh nuzhd elektrostantsii. Ise. 3-e, izmenennoe i dop.  
Moskva, Gos. energeticheskoe izd-vo, 1954. 198 p. (MIRA 8:4)  
(Electric power stations)

GLAZUNOV, A.A., professor; VORONTSOV, F.F., redaktor; FRIDKIN, A.M.,  
tekhnicheskiy redaktor

[Electric networks and systems] Elektricheskie seti i sistemy.  
Izd. 3., perer. Moskva, Gos. energ. izd-vo, 1954. 574 p. (MLRA 7:8)  
(Electric networks)

*VORONTSOV, F.F.*

FEDOROV, A.A., redaktor; KUZNETSOV, P.V., redaktor; VORONTSOV, F.F., redaktor; SAPAROVA, A.L., redaktor; LARIONOV, G.Ye., tekhnicheskiy redaktor.

[Reference book for the electrician in industrial plants] Spravochnik elektrika promyshlennyykh predpriyatiy. Pod obshchey red. A.A. Fedorova i P.V. Kuznetsova. Moskva, Gos. energ. izd-vo, 1954. 1040 p.  
(Electric engineering) (MILB 7:10)

LIKACHEV, Fedor Andreyevich; VORONSOV, F.F., redaktor; SKVORTSOV, I.M.,  
tekhnicheskiy redaktor

[Choice, installation, and operation of arc-extinguishing apparatus]  
Vybor, ustanovka i ekspluatatsiya dugogasiashchikh apparatov. Moskva,  
Gos. energ. izd-vo, 1955. 143 p. (MLRA 8:3)  
(Electric arc) (Electric lines)

SHCHEDRIN, Nikolay Nikolayevich; UL'YANOV, Sergey Aleksandrovich;  
VORONTSOV, F.F., redaktor; VORONIN, K.P., tekhnicheskij redaktor.

[Problems on the calculation of short circuits] Zadachi po raschetsu  
korotkikh zamykanii. Moskva, Gos. energ.ind-vo, 1955. 230 p.  
(Short circuits) (MLRA 8:4)

MIKHAYLOV, Vasilii Vasil'yevich; VORONTSOV, F.F., redaktor; SKVORTSOV  
I.M., tekhnicheskiy redaktor

[Calculation and design of high-voltage equipment] Raschet i  
konstruirovaniye vysokovol'tnoi apparatury. Izd.2-e, dop. Moskva,  
Gos.energ.izd-vo, 1955. 272 p.  
(MLRA 8:10)  
(Electric apparatus and appliances)

SOKOLOV, Mikhail Mikhaylovich; BORISOV, Yu.M., redaktor; VORONTSOV,  
P.P., redaktor; VORONIN, K.P., tekhnicheskiy redaktor.

[Electric drive and electric power supply of industrial enterprises]  
Elektroprivod i elektrosnabzhenie promyshlennyykh  
predpriyatiy. Moskva, Gos.energ. izd-vo, 1955. 352 p. (MLRA 8:12)  
(Electric power)

Subject : USSR/Electricity

AID P - 2940

Card 1/2 Pub. 27 - 5/15

Authors : Glazunov, A. A., Doc. of Tech. Sci., F. F. Vorontsov,  
and L. A. Soldatkina, Kands. of Tech. Sci.

Title : An efficient design of low-voltage network in large  
cities

Periodical : Elektrичество, 8, 33-38, Ag 1955

Abstract : The Chair of Electric Networks and Systems of the  
Moscow Power Engineering Institute made a technical  
and economic comparative study of various types of  
220/127- and 380/220-v secondary mains in large  
towns having houses from 5 to 8 and from 8 to 14  
stories high. It was found more efficient to use  
loop type 220/127-v secondary bank arrangements.  
Investments are in practice identical at both vol-  
tages but operational charges at 380/220 v increase  
by 50 to 60%, while additional outlays for copper

Elektrichestvo, 8, 33-38, Ag 1955

AID P - 2940

Card 2/2 Pub. 27 - 5/15

made for the 220/127 v network pay for themselves in  
from 2-3 to 5-8 years. Three tables of economic  
indexes, 7 diagrams, 2 Soviet references (1952, 1953).

Institution : Moscow Power Engineering Institute im Molotov

Submitted : Ap 6, 1955

VORONTSOV, Fedor Fedorovich; MAYFEL'D, M.P., redaktor; SKVORTSOV, I.M.,  
tekhnicheskiy redaktor

[Selecting the proper gage of wire and cable for electric wiring]  
Vybor sechenii provodov i kablei dlia elektroprovodok. Izd. 3-e,  
perer. i dop. Moskva, Gos. energ. izd-vo, 1956. 110 p. (MIRA 9:12)  
(Electric wiring) (Electric cables)

NAYFEL'D, Mark Romanovich; VORONTSOV, F.P., redaktor; YRIDKIN, A.M.,  
tekhnicheskiy redaktor

[Protective grounding in electric engineering establishments]  
Zashchitnye zazemleniya v elektrotehnicheskikh ustanovkakh.  
Moskva, Gos. energ. izd-vo, 1956. 159 p. (MLRA 9:9)  
(Electric currents--Grounding)

VORONTSOV, F.V., kandidat tekhnicheskikh nauk.

Calculation of reactance in connection with selecting conductor  
cross sections in low-voltage power systems. Prom.energ. 11 no.6:  
32-33 Je '56. (Electric conductors) (MLRA 9:9)

VORONTSOV, F.F., kand.tekhn.nauk, dotsent

Use of linear programming techniques in graduation projects on electrical  
systems. Izv. vys. ucheb. zav.; energ. 6 no.12:19-26 D '63.  
(MIRA 17:1)  
1. Vsesoyuznyy zaochnyy politekhnicheskiy institut. Predstavlena ka-  
fedroy elektricheskikh stekhii, setey i sistem.

BESSMERTNYY, Isaak Semenovich; VORONTSOV, F.F., red.; TIKHONOVA, I.A.,  
red. izd-va; SALAZKOV, N.P., tekhn. red.

[Schematics of municipal electric power distribution networks]  
Skhemy gorodskikh elektricheskikh setei; posobie dlja proektirovaniia gorodskikh elektricheskikh setei pri ikh avtomatizatsii. Moskva, Izd-vo M-va kommun.khoz.RSFSR, 1963. 202 p.  
(MIRA 16:10)

(Electric networks) (Electric power distribution)

VORONTSOV, Fedor Fedorovich; NAYFEL'D, M.R., retsenzent;  
BRANDENBURGSKAYA, E.Ya., red.; YEMZHIN, V.V., tekhn. red.

[Selection of wire and cable sizes for electrical wiring  
operations] Vybor sechenii provodov i kabelei dlia elektro-  
provodok. Izd.4., perer. Moskva, Gosenergoizdat, 1962. 95 p.  
(MIRA 15:11)

(Electric wiring)

KARPOV, Fedor Fedorovich; KOZLOV, Valer'yan Nikolayevich; VORONTSOV,  
F.F., red.; BORUNOV, N.I., tekhn. red.

[Designer's handbook on wires and cables] Spravochnik po ras-  
chetu provodov i kabelei. Moskva, Gos.energ.izd-vo, 1962. 176 p.  
(MIRA 15:8)

(Electric power distribution—Handbooks, manuals, etc.)  
(Electric cables—Handbooks, manuals, etc.)  
(Electric lines—Handbooks, manuals, etc.)

VORONTSOV, F.F., dotsent, kand. tekhn. nauk

In reference to B.L. Aizenberg and IU. L. Bobenko's article  
"Selectivity of PK safety fuses and current-overload relays,"  
Izv. vys. ucheb. zav.; energ. 2 no.10:114 0 '59.  
(MIRA 13:3)

1. Vsesoyuznyy zaochnyy politekhnicheskiy institut.  
(Electric fuses) (Aizenberg, B.L.)  
(Bobenko, IU.L.)

GOGICHAISHVILI, Pavel Filippovich; VORONTSOV, F.F., red.; YAROSHEVSKIY,  
V.M., rad.izd-va; RAKITIN, I.T., tekhn.red.

[Capacitor apparatus in systems of relay protection and  
automatic control] Kondensatornye ustroistva v skhemakh  
releinoi zashchity i avtomatiki. Moskva, Izd-vo M-va  
kommun.khoz. RSFSR, 1959. 116 p. (MIRA 12:6)  
(Electric power distribution) (Automatic control)  
(Electric capacitors)

BERNARD, V.V., kand.sel'skokhozyaystvennykh nauk; VORONKOVA, Ye.A.

Multiplication of azotobacter and fixation of nitrogen in the presence of organic fertilizers and other sources of organic matter. Agrobiologiya no.1:103-108 Ja-F '60. (MIRA 13:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut udobreniy i agropochvovedeniya, Moskva.  
(Azotobacter) . (Nitrogen--Fixation)

GLANTS, Yu.A., inzh.; FINGER, L.M., inzh.; NIKOGOSOV, S.N., kand. tekhn. nauk (Leningrad); MEDVEDSKIY, N.I., inzh. (Leningrad); VOLOTSKOY, N.V., kand. tekhn. nauk; BESSMORTNYY, I.S., kand. tekhn. nauk (Moskva); VORONTSOV, F.P., kand. tekhn. nauk (Moskva).

Urgent problems relative to the theory of urban power networks.  
Elektrichestvo no.12:73-78 D '56. (MIRA 11:3)

1. Khar'kovskoye otdeleniy Teploelektroproyekta (for Glants). 2. Giprokommunenergo (for Finger). 3. Lengiprogor (for Medvedskiy).  
4. Lenproyekt (for Volotskoy).  
(Electric networks) (Electric power distribution)

GAM, Viktor Nikolayevich; VORONTSOV, F.F., red.; SAVEL'YEV, V.I., red.;  
VORONIN, K.P., tekhn. red.

[Economics and organization of production in the electric equipment  
industry] Ekonomika i organizatsiya proizvodstva v elektrotekhnicheskoi  
promyshlennosti. Izd. 2., perer. Moskva, Gos. energ. izd-vo, 1958. 485 p.  
(MIRA 11:11)

(Electric machinery industry)

VANOSKIY, P. YA., VORONISOV, F. K.

Germination

Accelerated stratification of tree seeds, Les.  
khoz., 5 no. 9, 1952

9. Monthly List of Russian Accessions, Library of Congress, November 1952 ~~XXXX~~ <sup>1953</sup>, Uncl.

RUKHMAN, L.Ye., doktor meditsinskikh nauk; KOSTYLEVA, L.A., kandidat meditsinskikh nauk, VORONTSOV, F.S., inzhener

Forearm prosthesis for children. Ortop., travm. i protez. 17 no.2:  
46-48 Mr-Apr '56. (MLRA 9:12)

1. Iz Leningradskogo nauchno-issledovatel'skogo instituta protezirovaniya (dir. - prof. F.A.Kopylov)  
(ARTIFICIAL LIMB  
forearm for child. (Bus))

VORONTSOV, F.S., kand. tekhn. nauk; KOSTYLEVA, L.A., kand. med. nauk

Prostheses for children after amputation of the humerus. Ortop. travm. i protez. 20 no.1:19-22 Ja '59. (MIRA 12:3)

1. Iz Leningradskogo nauchno-issledovatel'skogo instituta protezirovaniya (dir. - prof. F.A. Kopylov).

(AMPUTATION

shoulder in child., prosth. (Rus))

(SHOULDER, surg.

amputation in child., prosth. (Rus))

VORONTSOV, F.S., inzhener; PEVZNER, M.S., doktor meditsinskikh nauk

Improved shoulder prosthesis. Ortop., travm. i protez. 17 no.1:  
45-47 Ja-F '56. (MLRA 9:12)

1. Iz Leningradskogo nauchno-issledovatel'skogo instituta  
protezirovaniya (dir. - prof. F.A.Kopylov)

(SHOULDER

prosthesis)

(PROSTHESIS

shoulder)

VORONTSOV, G., inzh.; SHTEYN, A., inzh.

"El'fa-17" and "Gintaras." Radio no. 6:29-32 Je '61. (MIRA 14:10)  
(Magnetic recorders and recording)

LEVITIN, B.S.; VORONTSOV, G.A.; IL'YASEVICH, S.A., doktor tekhn.  
nauk, prof., retsenzent

[Use of aluminum alloys in crane metal structures] Pri-  
menenie aliuminievykh splavov v kranovykh metallokon-  
struktsiiakh. Moskva, Mashinostroenie, 1964. 191 p.  
(MIRA 17:7)

8/137/61/003/006/060/092  
A006/A101

AUTHORS: Vorontsov, G.A., Baraboshkin, V.V.  
TITLE: Aluminum alloys for crane metal structures

PERIODICAL: Referativnyy zhurnal. Metallurgiya, no. 6, 1961, 41, abstract 6E282  
("Tr. Vses. n.-i. in-ta po yemmostranap. mashinostr.", 1960, no. 3,  
125 - 218)

TEXT: The authors present characteristics of main domestic Al alloys for  
welded and riveted structures and analyze problems of planning, production tech-  
nology and economy. The total labor consumption of manufacturing 1 ton Al-struct-  
tures is by 2.15 times higher, and the cost by 3.25 times higher than correspond-  
ing data for steel structures, although for Al structures mainly semi-automatic  
arc welding and for steel structures manual welding is employed. The ratio of  
the total cost of an Al crane to that of a steel crane is 1.11. It is noted that  
the planning of Al cranes should be made by taking into account reduced Al costs.  
The authors present recommendations as to the selection of equipment and condi-  
tions of arc-cutting of Al and its alloys. The selection of conditions, prepara-  
tions of arc-cutting of Al and its alloys. The selection of conditions, prepara-

Card 1/2

S/137, '61/000/006/050/092  
A006/A101

Aluminum alloys for crane metal structure

tion of edges and equipment for argon-arc welding is discussed in detail. Tables and schematic drawings are given. The information includes recommendations on resistance and  $C_2H_2-O_2$  welding and data on the absolute and relative strength of welded joints.

Ye. Terpugov

[Abstracter's note: Complete translation]

Card 2/2

Vorontsov, G. B.

124-11-13126

Translation from: Referativnyy Zhurnal, Mekhanika, 1957, Nr. 11, p. 123 (USSR)

AUTHOR: Vorontsov, G. B.

TITLE: Determination of the Principal Free Vibrational Frequencies of Beam Carrying Concentrated Masses, Utilizing the Method of Successive Approximations. (Opredeleniye pervykh chastot svobodnykh kolebaniy-balok, nesushchikh sosredotochenyye massy, metodom posledovatel'nykh priblizheniy)

PERIODICAL: Tr. Novocherkassk. politekhn. in-ta, 1956, Nr. 33/47, pp 133-147

ABSTRACT: Investigated are the free vibrations of beams having a distributed mass of their own and carrying concentrated masses. Systems of equations, from which the free vibrational frequency is obtained by the method of determinants, are transformed into equations for the determination of the critical loadings of compressed beams having rigid or elastic supports at intervals, and also of beams lying on an elastic base.

A method of successive approximations is proposed for the determination of the free vibrational frequencies.

A. I. Oseled'ko

Card 1/1

VORONTSOV, G.V., starshiy prepodavatel'.

Calculating the stability of complex frames by breaking them down into  
simple equistable units. Nauch. trudy NPI 26:112-119 '55. (MLRA 9:12)  
(Structural frames)

VORONTSOV, G.V., kandidat tekhnicheskikh nauk.

Determining the frequency of free vibrations of complex structures  
by breaking the structures into series of units with equal frequencies.  
(Nauch. trudy NPI 26:132-147 '55. (MLRA 9:12)  
(Structures, Theory of) (Vibration)

VORONTSOV, G.V., kandidat tekhnicheskikh nauk.

Problem in investigating characteristics of Papkovich's surfaces.  
Nauch. trudy NPI 29:85-101 '55. (MIRA 10:1)

1. Novocherkasskiy politekhnicheskiy institut, Kafedra stroitel'noy  
mekhaniki.  
(Elasticity) (Surfaces)

VORONTSOV, G.V., kandidat tehnicheskikh nauk.

Problems of determining the influence of specified loads on the deformation magnitude caused by normal loads. Nauch. trudy NPI 29:103-117 '55. (Deformations (Mechanics)) (Elasticity) (MLRA 10:1)

VORONTSOV, G.V., dotsent, kandidat tekhnicheskikh nauk.

Using the method of series approximation in determining initial  
frequencies of free vibrations of beams supporting concentrated  
masses. Trudy NPI 33:133-147 '56. (MIRA 10:9)  
(Giriers--Vibration)

VORONTSOV, G.V.

Determining the bearing capacity of compression curved elastoplastic  
bars. Trudy NPI 91:23-43 '60. (MIRA 14:5)  
(Elastic rods and wires)

VORONTSOV, G.V.; VOROB'YEV, L.N., dots., otv. red.; VESELOVSKIY, G.V., dots., red.; ZARIF'YAN, A.Z., starshiy prepodavatel', red.; NAUMOVA, Yu.A., tekhn. red.

[Numerical solution of problems in structural mechanics for rods by the mixed matrix method] Chislennoe reshenie zadach stroitel'soi mekhaniki sterzhnei po matrichnomu smeshannomu metodu. Novocherkassk, Redaktsionno-izdatel'skii otdel NPI, 1962. 96 p. (MIRA 16:2)

(Elastic rods and wires) (Matrices)

VORONTSOV, G.V.

Calculation of beams for forced vibration by the method of mixed  
matrices. Trudy NPI 136:23-32 '63. (MIRA 16:10)

(Beams and girders--Vibration)

VORONTSOV, G.V.

Application of the method of mixed matrices to the calculation  
of elastic compressed and bent bars. Trudy NPI 136:11-21 '63.  
(MIRA 16:10)

(Elastic rods and wires)

VORONTSOV, G. V. (Novocherkassk)

"On the consideration of forces of resistance in the problems of  
free and forced vibrations of structures"

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Mechanics, Moscow, 29 Jan - 5 Feb 1964.

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Dec. 14, 1964.

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1 SUB CODE: MZ, MA

DECL: UC

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their clinical significance. Trudy TSIU 78:31-35 '65.  
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V.P.; CHUVAKOV, N.Ye., redaktor; DMITRIYEV, A.A., redaktor;  
KUZ'MIN, I.F., tekhnicheskiy redaktor.

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1. Of the Department of Roentgenology (Head -- Prof. Ye. D. Dubovyy), Department of Pathological Anatomy (Head -- Prof. D. M. Khayutin), Odessa Medical Institute (Director -- Docent A. N. Motnenko) and of the Department of Oncology (Head -- Docent. I. M. Vorontsov), Odessa Institute for the Advanced Training of Physicians (Director -- Docent F. Ye. Kurkudym).

USSR / Pharmacology and Toxicology--Medicinal Plants V-5

Abs Jour: Ref Zhur-Biol, No 23, 1958, 107345

Author : Vorontsov, I. M.

Inst : Zaporozh'ye Institute for Advanced Training of  
Physicians

Title : Experience in the Application of Laminaria Sac-  
charina in Oncological Practice

Orig Pub: Tr. Zaporozhsk. in-ta usoversh. vrachey, 1957, 1,  
27-31

Abstract: Laminaria saccharina (LS) is extensively applied in  
China and Japan as a valuable foodstuff and ther-  
apeutic agent. The powder of LS was used on 500  
patients suffering from tumors of various localiza-  
tion, as an additional means to other necessary

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VORONTSOV, I.M., prof.

Rhomboid glossitis as a precancerous disease of the tongue.  
Vrach. delo no.12:117-118 D '63. (MIRA 17:2)

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Clinical aspects of cytomegaly in infants. Sov. med. 26 no.2  
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go pediatriceskogo meditsinskogo instituta.

(VIRUS DISEASES) (PREGNANCY, COMPLICATIONS OF)  
(INFANTS (NEWBORN) -- DISEASES)

VORONTSOV, I.M.

Materials on the comparative pathology of mammary gland tumors.  
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VORONTSOV, I.M., prof.

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*Vorontsov, I.M.*

PUCHKOV, F.Ya.; VORONTSOV, I.M.

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1. Chernoramenskoye torfopredpriyatiye.  
(Conveying machinery)

VASIL'YEV, N.N.; VORONSOV, I.V.; VOROB'YEV, A.A.

Possibility of a partial restoration of specific toxicity in  
biologically harmless botulin anatoxins following treatment  
with substances depriving them of formaldehyde. Vuk. i syv.  
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no.1:27-39 '63.

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PATRIKEYEV, G.T.; MAKARENKO, M.M.; ~~Prinimali uchastiye:~~  
ANDROSHCHUK, S.M.; ZYBIN, V.D.; KORNEV, I.S.; NIKOLAYENKO,  
Yu.P.; CHERNOVA, V.A.; IGONINA, Yu.A.; MORDUYEVA, A.A.

Study of botulin anatoxins. Report No.4: Botulin anatoxin type  
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(CLOSTRIDIUM BOTULINUM) (TOXINS AND ANTITOXINS)

VORONISOV, E.V.; VASIL'YEV, N.N.

Fermentation as a method for the purification of antigen in the preparation of purified concentrated botulinum neurotoxins using the technique. Vak. i syy. no. 121-26 163. (MIRI 1818)

(A) L 8829-66 EWT(1)/EWA(i)/EWA(b)-2 JK

ACC NR: AT5027529

SOURCE CODE: UR/0000/63/000/000/0021/0026

AUTHOR: Vorontsov, I. V.; Vasil'yev, N. N.

ORG: None

35  
34/1TITLE: Fermentation as a method of purifying the antigen in  
producing purified concentrated botulinum anatoxins by new technologySOURCE: Moscow. Nauchno-issledovatel'skiy institut vektsin i  
syvorotok. Vaktsiny i syvorotki; materialy po proizvodstvu, no. 1, 1963;  
21-26. 74, 55TOPIC TAGS: clostridium, botulism, antigen, chemical purity, solution  
concentration, enzyme, fermentation, proteinABSTRACT: Cl. botulinum toxin types A and B have been successfully  
purified and concentrated by an "autofermentation" process. During the  
growth of Cl. botulinum cultures types A and B, large amounts of  
proteinase are liberated into the surrounding medium and the amount of  
protein nitrogen is reduced, thereby increasing the specific activity  
of the culture fluid. However, the problem of purification is  
considerably more difficult in the case of Cl. botulinum culture types  
D and E which do not liberate appreciable amounts of proteinase into  
the surrounding medium. Fermentation methods using trypsin or Cl.

Card 1/2

L 8829-66

ACC NR: AT5027529

sporogenes proteinase for purification and concentration of the D and  
E type antigens of highly acceptable quality are described in detail.  
Orig. art. has: 2 tables.

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SUB CODE: 06, 07/ SUBM DATE: 31Aug63/ ORIG REF: 005/ OTH REF: 003

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VORONTSOV, I.V.; GUDIMA, O.S.; KOLESNIKOVA, N.A. (Moskva)

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SO: Letopis' Zhurnal'nykh Statey, Vol. 44, Moskva, 1949

**VORONTSOV, L.**

"Baurdzhed's travels." [professor, laureat Stalinskoy premii] I. Efremov.  
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Girls from a trade school. Znan.-sila 37 no.7:42-43 Jl '62.  
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VORONTOV, Lev Il'ich; ARGIR, I.Kh., red.; ZUYEVA, N.K., tekhn. red.

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1. Predsedatel' Pravleniya TSentral'nogo kluba avtodorozhnykh  
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PAPER I

卷之三

प्राची. विजयवार्षी विजयवार्षी विजयवार्षी

220 P. (Series: Mathematics, no. 1) *Mathematics* [1960]

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**CONTINUATION:** The book deals with trends in the development of basic problems of hydrodynamics. Particular attention is given to the use of modern equipment in the field and other

Zelkow, H. H., and G. T. Tschirhart. Methods of Calculating Tolerances for Center Distances of Boxes in Clockwork Plates and Bridges.

THE JOURNAL OF CLIMATE

WILSON, H. H. *Classification of Freshwater Diatoms. II. The Genus* *Phaeodiscus* *Fitz*.

### Table of Surface Areas by Comparison with Samples

## ANALYSIS OF THE UNDERRUNNING OF INERTIAL SENSORS, BASED ON THE PRINCIPLE OF VECTOR ERRORS [DUE TO INEQUALITY AND MISALIGNMENT]

**Robert A. J. Candidate of Technical Sciences, Doctor, On the Occasion of Errors in Measurements With OIM, INC, and IP-3700 Opto-mechanical Instruments**

University of California, Berkeley, California. *Investigation of the Central Services for Decking Journals*. Berkeley, California: University of California, 1940.

## Drilling Pollution With Carbide Wheels

## Guidelines for the Design of Devices for Control and Measurement

**Editor, *U.S. Assistant Prosecutor*, on Number of International  
Centralized Armaments of Measurement Data**

Deutsche, Dr. H., Professor. Geschichte der Naturwissenschaften.

Varro, M. A., Asperant. A universal marriage venturer  
height gauge

AVAILABILITY: Library of Congress

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Active control of the size of watch components. Priborostroenie  
no.7:19-21 J1 '56. (MLRA 9:8)  
(Clockmaking and watchmaking)

VORONTSOV, L.N.

Devices for regulating the pressing-in heights in instrument parts.  
Priboresstroenie no.11:22-24 N°56. (MIRA 10:1)  
(Clockmaking and watchmaking) (Measuring instruments)

BEZHELUKOVA, Ye.F., inzh.; VOROB'YEV, Yu.A., kand. tekhn. nauk;  
VORONTSOV, L.N., kand. tekhn. nauk; ZYABREVA, N.N., kand.  
tekhn. nauk; LYANDON, Yu.N., kand. tekhn. nauk; TISHCHENKO,  
O.F., doktor tekhn. nauk, prof.; FEDOROV, A.D., kand. tekhn.  
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S.P., red.izd.-va; UVAROVA, A.F., tekhn. red.

[Handbook on allowances, fits, and linear measurements for  
inspectors at machinery plants] Spravochnik kontrolera ma-  
shinostroitel'nykh zavodov; po dopuskam, posadkam, i lineinym  
izmereniam. Pod red. A.I. Yakusheva. Leningrad, Mashgiz,  
1963. 723 p. (MIRA 16:5)

(Production control) (Measuring instruments)  
(Interchangeable mechanisms)